

bryos one to five in number. Most of the specimens examined were polyembryonic. Seems worthy of trial in south Florida. The tree fruits well in this region." (Popenoe,)

*Moringa oleifera* Lamarck. (Moringaceae.) 40913. Seeds from Cuba. Collected by Mr. Wilson Popenoe, of this Bureau. "*Palo blanco*. A small ornamental tree which is planted in the gardens of the region. As commonly seen here it is a tree of about 15 or 20 feet in height, erect, and of very attractive appearance. The leaves are pinnately compound, often nearly a foot in length, of pleasing light green color, with opposite, shortly petiolulate obovate-elliptic leaflets rarely over half an inch long. The flowers are borne on axillary panicles six to eight inches long, they are white, about an inch long, and faintly fragrant. As they are produced in great abundance they make the tree effective as an ornamental. The slender triangular seed pods are often a foot in length; when ripe they dehisce and scatter the ground with seeds. *Palo blanco* is considered to be an antidote for manchineel (*Hippomane mancinella*) poisoning. As an ornamental it seems worthy of trial in south Florida and possibly also in southern California, in regions protected from severe frosts." (Popenoe.)

*Persea americana* Miller. (Lauraceae.) From Cuba. Budwood collected by Mr. Wilson Popenoe, of this Bureau. 40912. "Jovellanos, Matanzas Province. *Luisa avocado*. The parent tree of this variety is growing in the garden at the Casa Vivienda, on the Nueva Luisa sugar estate. It is a large seedling, apparently 25 years old at least. Its particular value lies in the fact that the fruit is said to ripen in October, after nearly all the avocados are gone. The fruits, which are only about three inches long at present, are broadly obovate in form, with no indication of a neck, the skin light green when ripe and very thick. Judging from the immature fruit, the seed cavity is not large and the seed fits in it snugly. According to the gardener who was in charge of the place, the fruit is of excellent quality, with a rich flavor and no fiber. The tree, which stands among a lot of others beside a small stream which trickles through the garden, is bearing a good crop of fruit. The only late avocado at present grown commercially in south Florida is the *Trapp*. It seems worth while to try out other varieties which ripen late in the season, and *Luisa* has been obtained with this view. The season is earlier here than in Florida, generally speaking, and an avocado which ripens here in October may hang on the tree